



INSTALLATION & OPERATION MANUAL for ST-1 Mini-Conveyor Toaster

The ST-1 “Mini-Toaster” is capable of one or two-sided toasting of a variety of bread products such as: Breads, buns, bagels, English muffins and raisin bread.

The ST-1 is a horizontal conveyor toaster that has high production capabilities, yet is scaled down in size to accommodate operations with a minimum of counter space.

The ST-1 is available in 120V, 208V, 220V and 240V models. All models are equipped with variable conveyor speed, and an energy saver switch standard.



BEFORE INSTALLATION

NOTE: Upon receipt of this unit, immediately unpack and inspect for possible concealed shipping damage. If unit is found to be damaged, save all packing materials and contact your delivery carrier within 5 days. Refer to “Shipping Damage Instructions” enclosed for detailed instructions. Failure to follow these instructions will negate Merco/Savory’s or your ability to file claims and receive compensation for shipping damage.

This manual contains important safety and installation-operations instructions. Require all operators to read this manual before using the unit. Failure to follow the instructions contained in this manual may cause injury, damage to the unit, and will void the warranty.

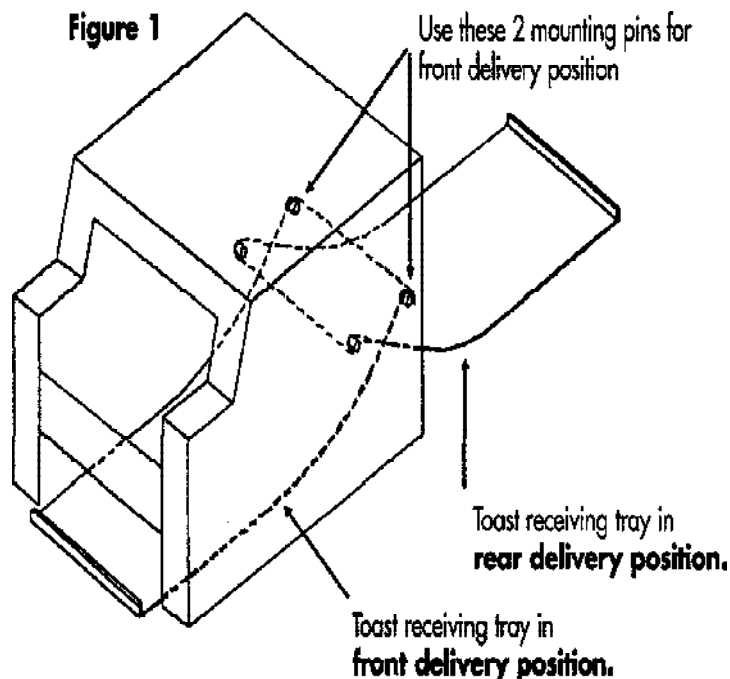
THIS MANUAL SHOULD BE RETAINED FOR FUTURE USE

INSTALLATION INSTRUCTIONS

Install the ST-1 in the most convenient location for ease of cleaning, maintenance and general operation. Avoid installing in locations with drafts, close proximity to grease or vapor-producing appliances or other high ambient heat equipment. Allow approximately 1" clearance on sides and back of unit for proper air circulation. Allow sufficient overhead clearance for proper heat dissipation. This toaster must be level for proper operation and comes equipped with 1" adjustable legs for this purpose. See instruction sheet enclosed for details.

Before operating this unit, be sure that the following two components are properly installed:

1. The reflector tray is installed below the lower heating elements before shipping. It merely slides under the conveyor. NOTE: Proper toasting cannot be performed without reflector tray installed.
2. The toast receiving tray is packaged separately and must be installed before operating this unit. **For front delivery position**, slide the receiving tray into the toaster cavity below the control panel, making sure the lipped end is towards the back. Place the lipped end over the 2 protruding pins located at the rear of the toaster cavity. **For rear delivery position**, slide the receiving tray into the cavity from the back of the toaster and place the lipped end over the 2 protruding pins located closest to the front of the toaster. (See Figure 1)



WARNING
This toaster must be plugged into the proper voltage which is Specified on the data plate Located on the back panel of The toaster. Use of any other Voltage or altering of plug Will damage unit, void Warranty and may cause Injury.

ELECTRICAL SPECIFICATIONS

Voltages (Volts AC)	Amperage (Amps)	Max. Power (KW)	Frequency (HZ)	Phase	Cord (Attached)	Plug (Attached)
120	14.8	1.7	50/60	1	3'	NEMA 5-15P
208	12.5	2.4	50/60	1	3'	NEMA 6-15P
220	9.6	2.1	50/60	1	3'	NEMA 6-15P
240	10.4	2.4	50/60	1	3'	NEMA 6-15P
*220	9.6	2.1	50/60	1	3'	None
*220	10.4	2.4	50/60	1	3'	None

The circuit on which the receptacle is installed must be of adequate wiring size and sufficient capacity to meet the requirements indicated on the unit data plate and in accordance with the National Electrical Code and local electrical installation codes. *The 220V electrical information in the shaded area pertains to European models. The 240V electrical information in the shaded area pertains to United Kingdom models.

CONTROL PANEL FEATURES

Main Power Switch - This switch is located to the left of the panel, has three positions: Stand-by, Off and Full Power. It controls the power going to the conveyor system and the two heating zones. When the switch is in the "Full" position all available power is reaching the heating elements. When the switch is in the "Stand-by" position, only half the available voltage is reaching the heating elements. When the switch is in the "Off" position, no power is reaching the heating elements or the conveyor system. To operate this toaster you must have the Main Power switch in the "Full" position.

Upper and Lower Heater Control Knobs - Located to the right of the panel and below the energy saver switch, these two controls regulate the upper and lower heating elements. To increase the temperature in the toasting chamber, rotate these controls to a higher number. To decrease the temperature in the toasting chamber, rotate these controls to a lower number. NOTE: To completely stop power to the heating elements, turn these controls to the "OFF" position.

TOASTING BREAD PRODUCTS

Toasting bread products may seem to be a simple process, but the results can be easily affected by a number of factors. The first consideration is the type of product being toasted. Varieties of bread, such as whole wheat, rye, white, English muffins, bagels and buns, have different requirements to become perfectly toasted. Dryness or moisture content of the bread (mostly described as "freshness", with more moisture being the fresher), sugar content and the thickness of the slice or bun all play a predominate role during toasting. Your ST-1 toaster is designed to accommodate these varieties of bread products by adjusting the conveyor speed to create lighter or darker toasting and to allow for toasting thicker products that contain more moisture such as English muffins or fresh bagels. It is normal to operate the toaster in the lower ranges of the speed control or increase the heat control settings to perform toasting of these more difficult products.

When going through these transitional periods, adjust conveyor speed faster or slower accordingly. It is suggested that you set the conveyor speed at a lower number for thicker products or when toaster is cool and to a higher number when toasting thinner products or when toaster is on but has been idle for a period of time.

OPERATION INSTRUCTIONS

After the toaster is level, reflector tray and receiving tray have been properly installed, and the toaster is connected to the proper voltage outlet, follow these procedures to begin toasting:

1. Flip **Main Power Switch** to "Full" position, and **Conveyor Speed Control** to #7.
2. Set **Heat Controls** to #5. (**NOTE:** If toasting buns or other products requiring only one-sided toasting, set only the Upper Heat control to #5. Set the Lower Heater control to the "Off" position). The recommended initial setting is #5. If you require darker toast color, rotate knobs to a higher number. If you require a lighter toast color, rotate knobs to a lower number. Some experimentation will be required to obtain desired results with your individual product. Dryness of bread, voltage differences, and sugar content of a bread product all affect toast color. Whole grain, rye and other breads with low sugar content will require a higher setting to produce medium toast color.
3. **Allow a 20 minute warm-up period.**
4. Place bread product onto conveyor belt. When possible, always place product side by side to achieve maximum production output. (**NOTE:** If toasting products requiring one-sided toasting, place product onto conveyor belt with CUT SIDE UP).
5. Finished product will automatically be released and slide down the receiving tray. Leaving the toast in the receiving tray allows it to stay warm until needed.
6. If finished product is too light, try rotating upper or lower heater controls to a higher number. If product is too dark, try rotating upper or lower heating control to a lower number. Adjusting the conveyor speed setting to a higher or lower number respectively speeds up or slows down the conveyor. **IMPORTANT:** Always allow a 5 minute warm-up or cool-down period when making adjustments to the heater controls.
7. When toaster is not in constant use, set switch to the "STAND-BY" position. **CAUTION: When switching to this position, always come to a full stop at the "Off" position first to avoid damage to the switch.** When returning to "Full" Power position for normal operation mode, allow a 5 minute warm-up period before resuming toasting operation. (If desired, return to Full power and make a slight reduction in the conveyor speed. This slower speed allows you to start toasting immediately while unit is returning to full power. After approximately 5 minutes, return conveyor speed to original setting).

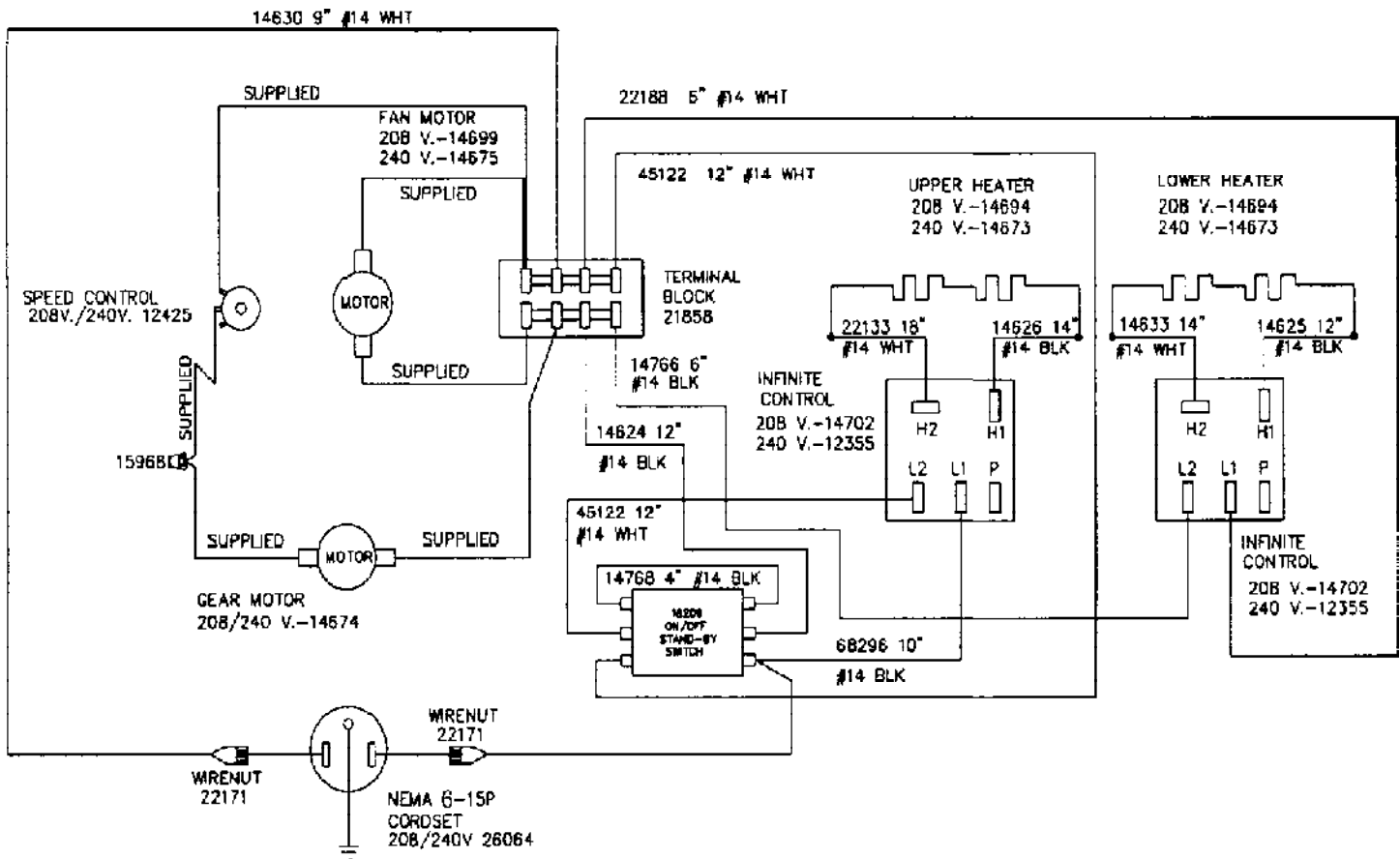
CLEANING INSTRUCTIONS

CAUTION: UNPLUG TOASTER AND ALLOW TO COOL BEFORE CLEANING.

The ST-1 is designed for easy cleaning. The lustrous outer surfaces need nothing more than a daily wiping with a soft damp cloth. The reflector tray and the receiving tray should be removed daily and wiped with a soft damp cloth to remove any crumb build-up. These components may be washed in hot sudsy water to remove any stubborn crumb build-up and should be kept sparkly clean to help promote optimum toaster performance. The conveyor belt should be cleaned with a damp cloth or a stiff bristled brush (NOT METAL) using a side to side motion. **Do not use abrasive cleaners on any part of this toaster.** This will cause damage to the finish of the unit. **WARNING:** Care must be taken to prevent water or cleaning compounds from getting on the internal parts, especially the switches on the control panel. Do not immerse this toaster in water or spray water directly onto any part of this toaster, as this will cause damage to the internal workings, shorten its lifespan and may CAUSE PERSONAL INJURY.

WARRANTY

The ST-1 "Mini-Toaster" is guaranteed to be free of defects in material and workmanship for a period of one (1) year from date of toaster purchase or 18 months from date of shipment from Merco/Savory factory, whichever comes first, provided that the equipment is utilized to the manufacturer's recommendations. Merco/Savory agrees to repair or replace any part which proves to be defective, without charge for that part, for said warranty period. (**NOTE:** A warranty registration card is provided with each toaster. Complete all requested information on this card and return to Merco/Savory immediately to insure proper warranty registration). Damage resulting from accident, alterations, misuse, abuse, improper installation or failure to follow use and care instructions will void the warranty.



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